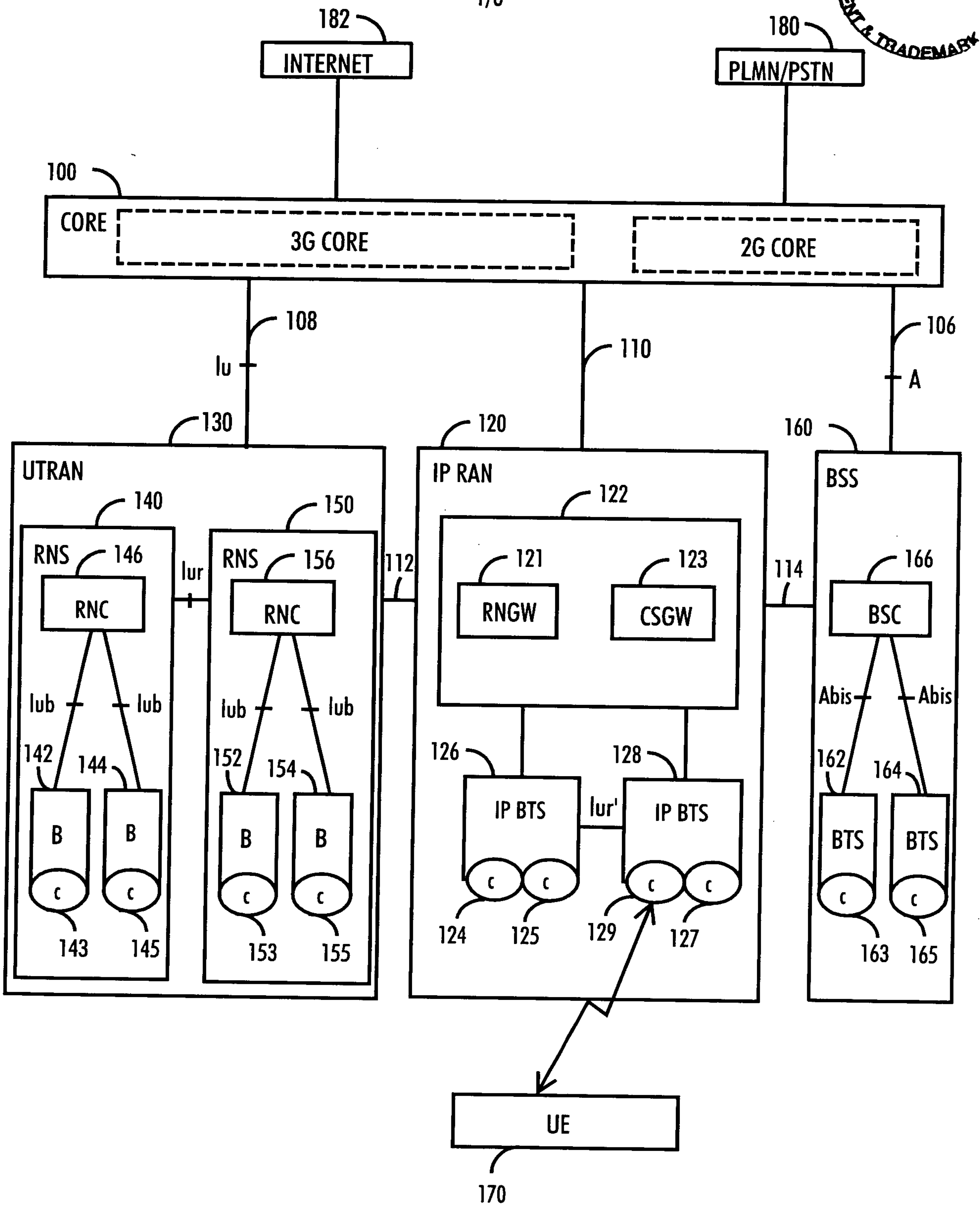
182
INTERNET
180
PLMN/PSTN
100
CORE
3G CORE
2G CORE
108
Iu
110
106
A
130
UTRAN
120
IP RAN
160
BSS
140
RNS
146
RNC
Iur
150
RNS
156
RNC
112
122
121
RNGW
123
CSGW
114
166
BSC
Iub
Iub
Iub
Iub
Abis
Abis
142
144
B
B
c
c
143
145
152
154
B
B
c
c
153
155
126
128
IP BTS
Iur'
IP BTS
c
c
c
c
124
125
129
127
162
164
BTS
BTS
c
c
163
165
UE
170

Fig. 1

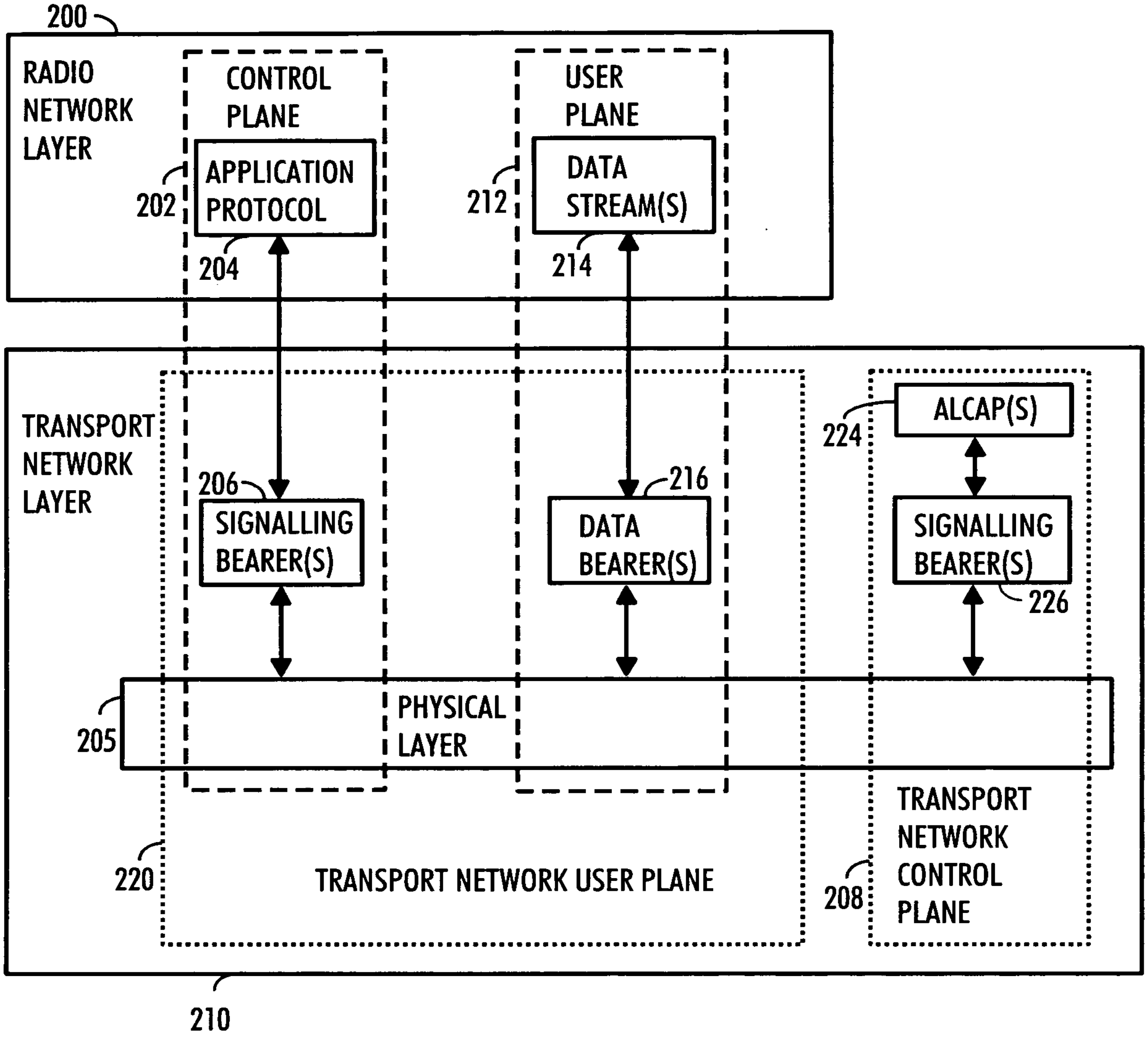
200
RADIO NETWORK LAYER
CONTROL PLANE
APPLICATION PROTOCOL
202
204
USER PLANE
DATA STREAM(S)
212
214
TRANSPORT NETWORK LAYER
206
SIGNALLING BEARER(S)
DATA BEARER(S)
216
224
ALCAP(S)
SIGNALLING BEARER(S)
226
205
PHYSICAL LAYER
220
TRANSPORT NETWORK USER PLANE
208
TRANSPORT NETWORK CONTROL PLANE
210

Fig. 2

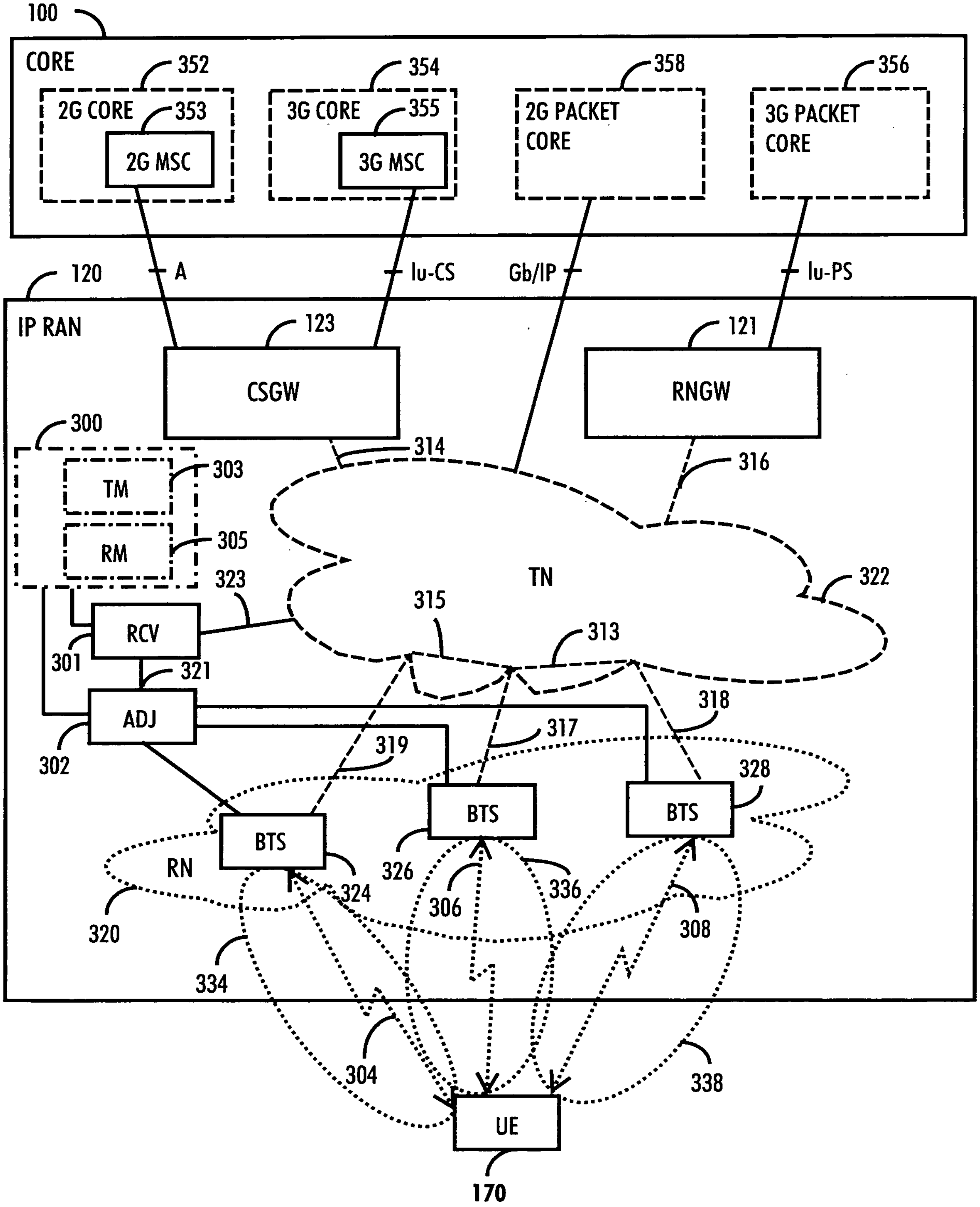
CORE
2G CORE
2G MSC
3G CORE
3G MSC
2G PACKET CORE
3G PACKET CORE
A
Iu-CS
Gb/IP
Iu-PS
IP RAN
CSGW
RNGW
TM
RM
TN
RCV
ADJ
BTS
BTS
BTS
RN
UE

Fig. 3

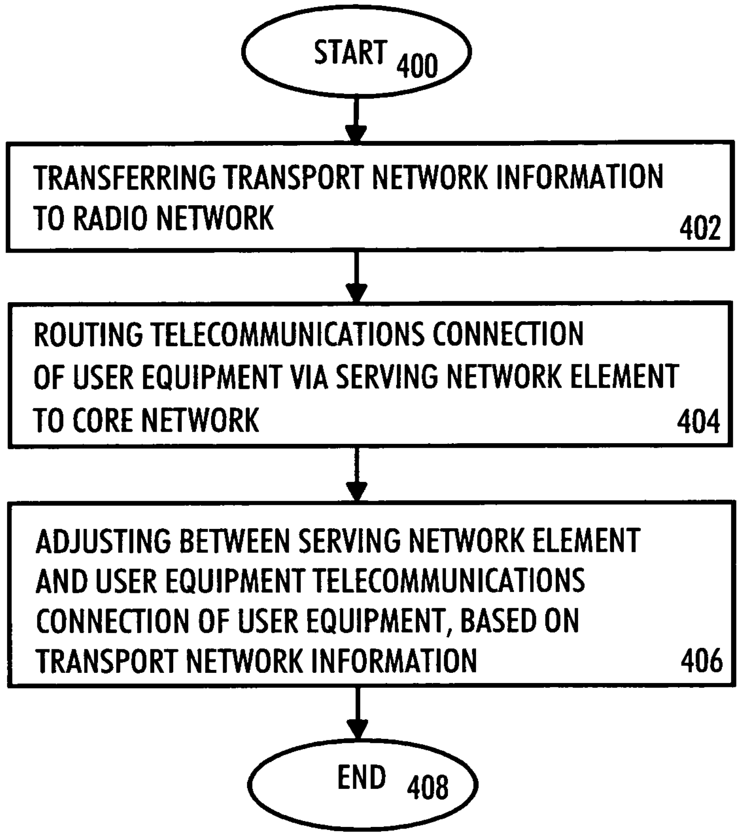
START 400
TRANSFERRING TRANSPORT NETWORK INFORMATION TO RADIO NETWORK 402
ROUTING TELECOMMUNICATIONS CONNECTION OF USER EQUIPMENT VIA SERVING NETWORK ELEMENT TO CORE NETWORK 404
ADJUSTING BETWEEN SERVING NETWORK ELEMENT AND USER EQUIPMENT TELECOMMUNICATIONS CONNECTION OF USER EQUIPMENT, BASED ON TRANSPORT NETWORK INFORMATION 406
END 408

Fig. 4

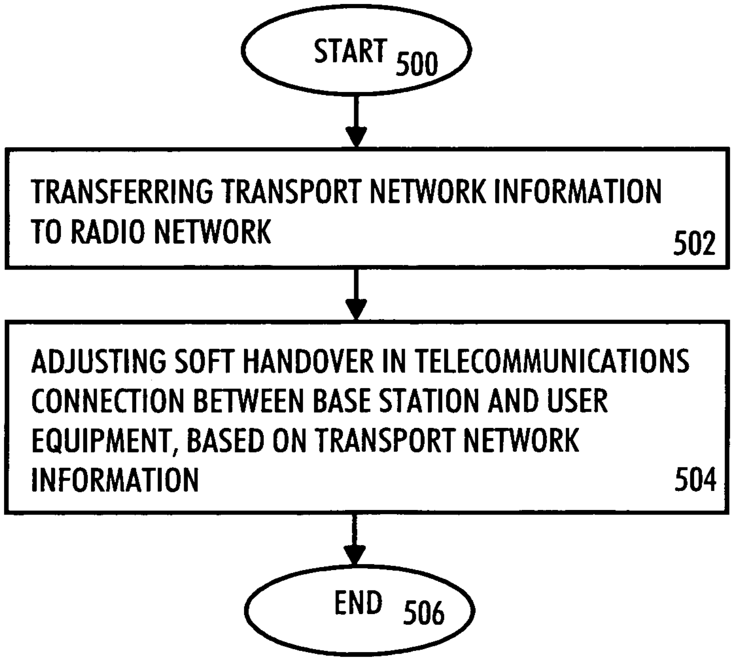
START 500
TRANSFERRING TRANSPORT NETWORK INFORMATION TO RADIO NETWORK 502
ADJUSTING SOFT HANDOVER IN TELECOMMUNICATIONS CONNECTION BETWEEN BASE STATION AND USER EQUIPMENT, BASED ON TRANSPORT NETWORK INFORMATION 504
END 506

Fig. 5

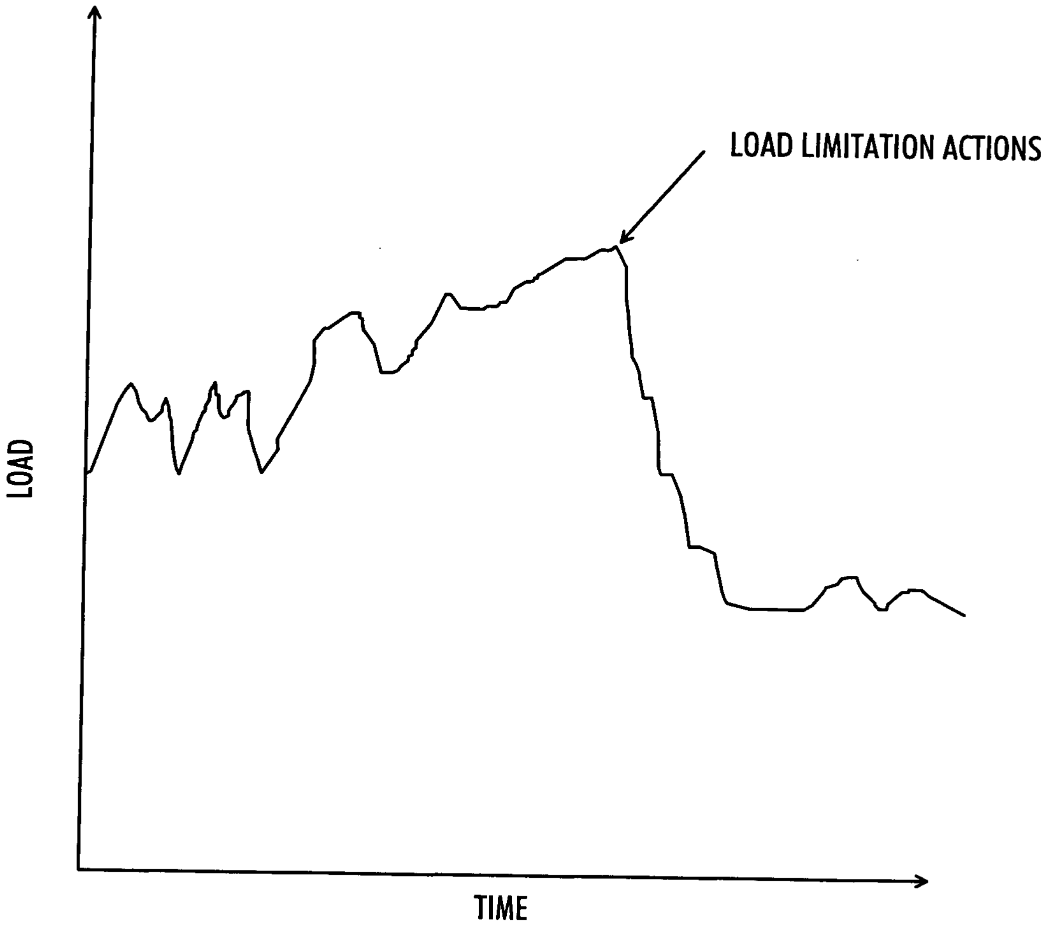

Fig. 6

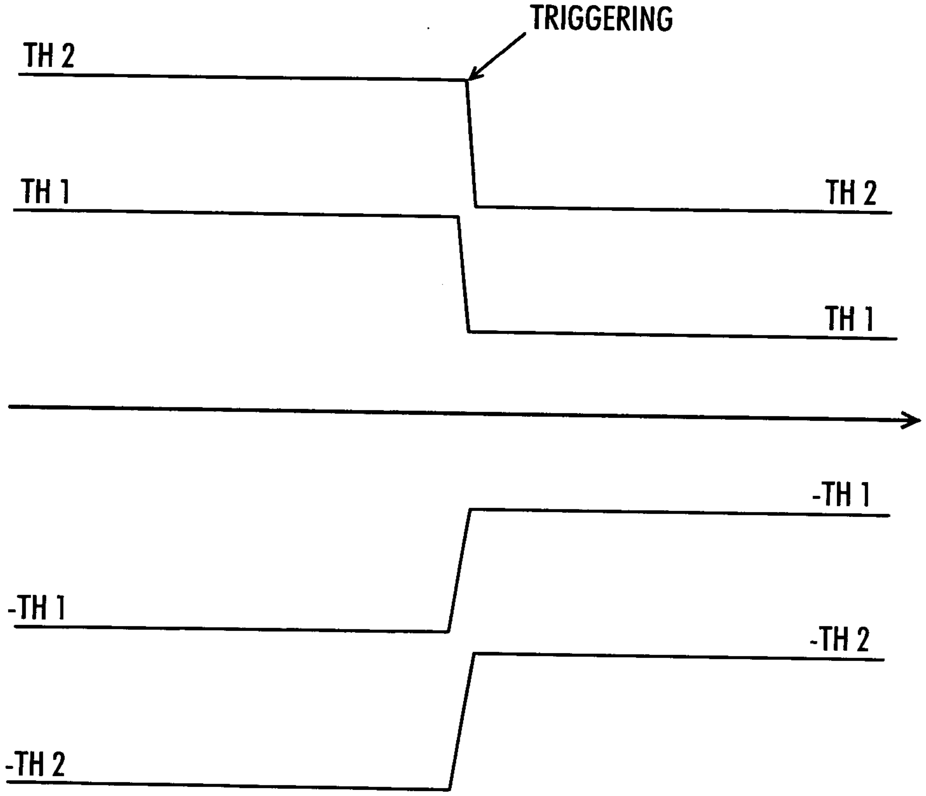
TRIGGERING
TH 2
TH 1
TH 2
TH 1
-TH 1
-TH 1
-TH 2
-TH 2

Fig. 7

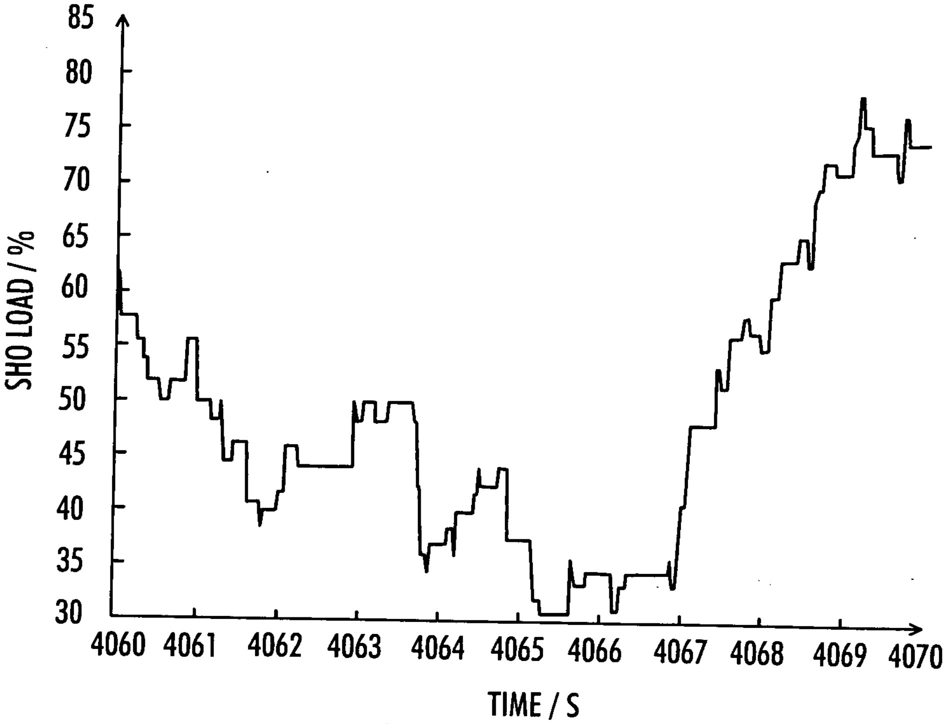
SHO LOAD / %
85
80
75
70
65
60
55
50
45
40
35
30
4060
4061
4062
4063
4064
4065
4066
4067
4068
4069
4070
TIME / S

Fig. 8